

Appl. No. : 10/799,337
Filed : March 12, 2004

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** An apparatus for treating diseased skin with ultraviolet (UV) light, the apparatus comprising:

a source of UV light within the range of 300 and 315 nanometers and including an intensity between about 16 and 20 minimum erythema doses (MED); and

a cooler for cooling the diseased skin to below about 0 °C.

2. **(Currently Amended)** An apparatus for treating an area of diseased epidermal tissue with ultraviolet UV light, the apparatus comprising:

a source of high intensity ultraviolet light ~~equal to or greater than~~ between about ~~[[1]]~~ 16 and 20 minimum erythema doses (MED) in the wavelength range of between about 300 and 315 nanometers having an output for emitting the UV light;

a conduit positioned to receive said ultraviolet light, said conduit having an output end that emits said UV light;

a delivery device that includes said output end of said conduit; and

a cooler included in said delivery device configured to cool the skin to ~~to~~ substantially lower than about ~~[[34]]~~ 0 °C.

3. **(Original)** The apparatus of Claim 2, wherein said delivery device has a localized UV output sufficiently small to illuminate a portion of skin no larger than said area of diseased epidermal tissue.

4. **(Currently Amended)** A method for treating an epidermal region comprising diseased tissue, the method comprising:

cooling the diseased tissue to below about ~~[[5]]~~ 0 °C and exposing the diseased tissue in said epidermal region to a dosage of ultraviolet light ~~equal to or greater than~~ between about ~~[[1]]~~ 16 and 20 minimum erythema doses (MED) in the wavelength range of between about 300 and 315 nanometers.

5. **(Previously Presented)** The apparatus of Claim 1, wherein the source of UV light comprises an excimer laser.

6. **(Previously Presented)** The apparatus of Claim 1, wherein the source of UV light has central operating wavelength at about 308 nm.

7. **(Previously Presented)** The apparatus of Claim 1, wherein the cooler comprises jets configured to spray the skin with a cool liquid, gas, or air.

Appl. No. : 10/799,337
Filed : March 12, 2004

8. **(Previously Presented)** The apparatus of Claim 1, wherein the cooler comprises a chilled UV transparent substrate.

9. **(Previously Presented)** The apparatus of Claim 8, wherein the cooler further comprises a thermoelectric cooler.

10. **(Previously Presented)** The apparatus of Claim 1, wherein a cooler is configured to cool the diseased skin to below about -5 °C.

11. **(Previously Presented)** The apparatus of Claim 2, wherein the source of high intensity ultraviolet light comprises an excimer laser.

12. **(Previously Presented)** The apparatus of Claim 2, wherein the source of high intensity ultraviolet light has a central output wavelength of about 308 nm.

13. **(Previously Presented)** The apparatus of Claim 2, wherein the cooler comprises a channel configured to spray the skin with a cool liquid, gas, or air through an opening therein.

14. **(Previously Presented)** The apparatus of Claim 2, wherein the cooler comprises a chilled UV transparent substrate.

15. **(Previously Presented)** The apparatus of Claim 2, wherein a cooler is configured to cool the diseased skin to below about -5 °C.

16. **(Previously Presented)** The method of Claim 4, wherein the epidermal region exposed to ultraviolet has an area between about 1 cm² and about 4 cm².

17. **(Previously Presented)** The method of Claim 4, wherein cooling comprises spraying the skin with a cool liquid, gas, or air.

18. **(Previously Presented)** The method of Claim 4, wherein cooling comprise contacting the diseased tissue with a chilled surface.

19. **(Canceled)**

20. **(Previously Presented)** The method of Claim 4, wherein the diseased tissue is cooled to below about -5 °C.

21. **(New)** The method of Claim 4, further comprising determining the MED of a patient having said epidermal tissue.